



April 22, 2002

WRITER'S DIRECT DIAL:
(650) 849-7705

INTERNET ADDRESS:
LOVEJOYB@PENNIE.COM

Sender: Brett Lovejoy

Facsimile Transmission

PALO ALTO, CA.
3300 Hillview Avenue
Palo Alto, California 94304
(650) 493-4935
Facsimile: (650) 493-5556

Pages (including this page): 24

Our Ref.: 011090-003-999

URGENT

Recipient: Douglas A Wille, Examiner

Facsimile Number: (703) 746-3875

Telephone Number: (703) 308-4949

Company: U.S. Patent and Trademark Office

Confirmation copy will not follow.

Re: U.S. Patent Application No.: 09/452,749
Filed: December 1, 1999
Title: PERMANENT READOUT SUPERCONDUCTING
QUBIT

Message

Dear Mr. Wille,

In preparation for the July 16, 11AM conference call, we attach a draft copy of a Response to the May 10, 2002 office action.

Sincerely,

A handwritten signature of Brett Lovejoy in cursive script.
Brett Lovejoy

If you have any problems regarding this transmission, please contact Brett Lovejoy at (650) 849-7705.

The information contained in this facsimile message is information protected by attorney-client and/or the attorney work product privilege. It is intended only for the use of the individual named above and the privileges are not waived by virtue of this having been sent by facsimile. If the person actually receiving this facsimile or any other reader of the facsimile is not the named recipient or the employee or agent responsible to deliver it to the named recipient, any use, dissemination, distribution, or copying of the communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us.

CA1 - 311261.1

Received from <650 493 5556> at 7/15/02 9:51:51 PM [Eastern Daylight Time]

** TOTAL PAGE . 01 **

**DRAFT AMENDMENT
FOR DISCUSSION PURPOSES ONLY**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)	Art Unit: 2814
Zagoskin)	
)	Examiner:
)	Douglas A. Wille
Serial No. 09/452,749)	
Filed: December 1, 1999)	Attorney Docket:
)	11090-003-999
)	
For: Permanent Readout Superconducting Qubit)	<i>DRAFT</i>
)	

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The enclosed Amendment is in response to the Office Action dated May 10, 2002 for the above-identified patent application.

IN THE CLAIMS:

Marked up versions of all revised claims, showing insertions and deletions, are included in Appendix A. A clean version of the pending claims is included in Appendix B.

Rewrite claims 52-55 as follows:

52. (Amended) The structure of claim 1, wherein a qubit is formed by the first bank, the mesoscopic island and the clean Josephson junction, and wherein each quantum state on the qubit is characterized by a clockwise or a counterclockwise supercurrent that circulates in a plane in the vicinity of the clean Josephson junction.